

**ABSTRACT**

A method for automated manufacturing job reassignment comprises receiving status and notification data from a workstation controlling a manufacturing machine. A query is executed to determine whether the data indicates the machine has become unavailable. If so, a second query is executed to identify a replacement machine having substantially the same functional capabilities as the machine that has become unavailable. The manufacturing schedule is updated and the workstations controlling operation of the manufacturing machines are notified that jobs previously assigned to the unavailable machine are now to be performed at the identified replacement machine.